

IN THE CLAIMS:

Applicants have requested amendment to claims 1 and 120, a copy of each of these claims being presented herein. A marked-up version of these claims entitled "Version With Markings To Show Changes Made", indicating insertions and deletions, is included as an attachment to this Amendment.

Please amend claims 1, 4-7 and 120 as follows:

1. (Three times Amended) A data multiplexing device which multiplexes a plurality of data elements, each comprising at least a portion of a data program to be output at a receiving device, and transmits said multiplexed data elements as a transport data stream, comprising

scramble key generation means for generating a plurality of scramble keys, one corresponding to each of said plurality of data elements, wherein each of said scramble keys is updated at predetermined intervals; and

scramble means for scrambling said plurality of data elements by using said corresponding one of said scramble keys generated by said scramble key generation means to scramble a corresponding one of each of said plurality of data elements.

4. (Amended) A data multiplexing device according to claim 1, wherein said scramble means scrambles each of said multiplexed data elements by using said scramble key corresponding to each of said data elements.

5. (Amended) A data multiplexing device according to claim 4, wherein said scramble means searches for each scramble key for scrambling each of said data elements

by using a correspondence table which shows packet identification codes for each of said data elements and their corresponding scramble keys.

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6. (Amended) A data multiplexing device according to claim 4, wherein said data multiplexing device comprises a first encryption means for enciphering said scramble key with a work key and multiplexes said enciphered scramble key with each of said data elements to transmit it.

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7. (Amended) A data multiplexing device according to claim 6, wherein said data multiplexing device comprises a second encryption means for enciphering said work key with a master key and multiplexes said enciphered work key with each of said data elements to transmit it.

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120. (Three times Amended) A data reception device for receiving a transport data stream including multiplexed data obtained by multiplexing a plurality of data elements, each comprising at least a portion of a data program to be output at a receiving device, said data reception device comprising:

scramble key extract means for extracting from said multiplexed data a plurality of enciphered scramble keys, one corresponding to each data element, wherein each of said enciphered scramble keys is updated at predetermined intervals; and

descramble means for descrambling said transport data stream including said plurality of data elements by using a scramble key extracted by said scramble key extract means